

IFW

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT

(Under 37 CFR 197(b) or 1.97(c))

Docket No.

15689.61

In Re Application Of:

Yukihiko OKUMURA et al.

Application No.
09/701,705

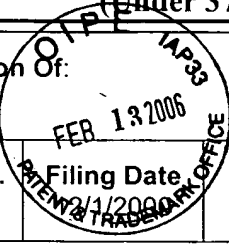
Filing Date
2/1/2006

Examiner
Qutbuddin Ghulamali

Customer No
022913

Group Art Unit
2661

Confirmation No.
7195



Title:

Channel Estimation Device and Method, Demodulation Device and Method,
and Fading Frequency Decision Device and Method

Address to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

37 CFR 1.97(b)

- 1. The Information Disclosure Statement submitted herewith is being filed within three months of the filing of a national application other than a continued prosecution application under 37 CFR 1.53(d); within three months of the date of entry of the national stage as set forth in 37 CFR 1.491 in an international application; before the mailing of a first Office Action on the merits, or before the mailing of a first Office Action after the filing of a request for continued examination under 37 CFR 1.114.

37 CFR 1.97(c)

- 2. The Information Disclosure Statement submitted herewith is being filed after the period specified in 37 CFR 1.97(b), provided that the Information Disclosure Statement is filed before the mailing date of a Final Action under 37 CFR 1.113, a Notice of Allowance under 37 CFR 1.311, or an Action that otherwise closes prosecution in the application, and is accompanied by one of:

the statement specified in 37 CFR 1.97(e);

OR

the fee set forth in 37 CFR 1.17(p).

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT
(Under 37 CFR 197(b) or 1.97(c))

Docket No.
15689.61

In Re Application Of:

Yukihiko OKUMURA et al.

Application No.	Filing Date	Examiner	Customer No	Group Art Unit	Confirmation No.
09/701,705	12/1/2000	Qutbuddin Ghulamali	022913	2661	7195

Title:

Channel Estimation Device and Method, Demodulation Device and Method,
and Fading Frequency Decision Device and Method

Payment of Fee

(Only complete if Applicant elects to pay the fee set forth in 37 CFR 1.17(p))

- A check in the amount of \$ _____ is attached.
- The Director is hereby authorized to charge and credit Deposit Account No. 23-3178 as described below.
- Charge the amount of \$ _____
 - Credit any overpayment.
 - Charge any additional fee required.
- Payment by credit card. Form PTO-2038 is attached.

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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(Date)

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Signature

Signature of Person Mailing Correspondence

Typed or Printed Name of Person Signing Certificate

Typed or Printed Name of Person Mailing Certificate

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Signature

Dated: February 13, 2006

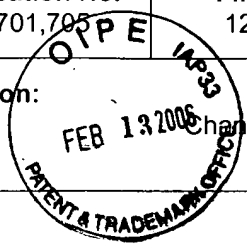
ADRIAN J. LEE
Reg. No.: 42,785
Attorney for Applicant

CERTIFICATE OF MAILING BY "EXPRESS MAIL" (37 CFR 1.10)

Applicant(s): Yukihiro OKUMURA et al.

Docket No.
15689.61Application No.
09/701,705Filing Date
12/1/2000Examiner
Qutbuddin GhulamaliCustomer No
022913Group Art Unit
2661

Invention:

Channel Estimation Device and Method, Demodulation Device and Method,
and Fading Frequency Decision Device and Method

I hereby certify that the following correspondence:

Transmittal for Information Disclosure Statement (2 pages; duplicate);
 Information Disclosure Statement Under 37 C.F.R. § 1.97 (2 pages);
 Form PTO-1449 Listing of References (2 page);
 PTO 2038 Credit Card form for \$180.00
 Legible Copy of References
 Certificate of Express Mail (EV773481395US);
 Acknowledgment Postcard

(Identify type of correspondence)

is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on

February 13, 2006
 (Date)

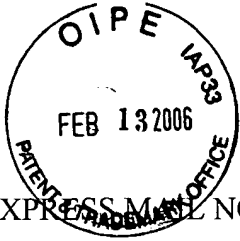
ADRIAN J. LEE

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(Signature of Person Mailing Correspondence)

EV 773481395 US

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EXPRESS MAIL NO. EV 773481395 US

PATENT APPLICATION
Docket No: 15689.61

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)
	Yukihiko OKUMURA et al.)
Serial No.:	09/701,705) Art Unit
Filing Date:	December 1, 2000) 2661
For:	CHANNEL ESTIMATION DEVICE AND METHOD, DEMODULATION DEVICE AND METHOD, AND FADING FREQUENCY DECISION DEVICE AND METHOD)
Customer No.:	022913)

INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. § 1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please find, pursuant to 37 C.F.R. § 1.98(a)(1), the enclosed Form PTO-1449 which contains a list of all patents, publications, or other items that have come to the attention of one or more of the individuals designated in 37 C.F.R. § 1.56(c). While no representation is made that any of these references may be "prior art" within the meaning of that term under 35 U.S.C. §§ 102 or 103, the enclosed list of references is disclosed so as to fully comply with the duty of disclosure set forth in 37 C.F.R. § 1.56.

Moreover, while no representation is made that a specific search of office files or patent office records has been conducted or that no better art exists, the undersigned attorney of record

believes that the enclosed art is the closest to the claimed invention (taken in its entirety) of which the undersigned is presently aware, and no art which is closer to the claimed invention (taken in its entirety) has been knowingly withheld.

In accordance with 37 C.F.R. §§ 1.97 and 1.98, a copy of each of the listed references or relevant portion thereof is also enclosed.

In accordance with 37 C.F.R. § 1.98(a)(3), the following concise explanation of the relevance of each listed reference that is not in the English language and unaccompanied by a translation into English is provided. The concise explanation for Japanese Publication No.: 09-298489 is provided in the English abstract of that publication. The concise explanation for PCT Japanese Publication No.: WO98/47246 is provided in the English abstract of that publication.

In accordance with 37 C.F.R. § 1.97(c), a PTO 2038 Credit Card form in the amount of \$180.00 is enclosed to secure consideration of the references submitted with this Information Disclosure Statement.) Please credit any over payment or charge any additional fees to Deposit Account No. 23-3178 of the undersigned.

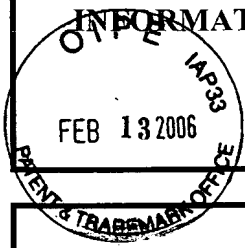
DATED February 13, 2006.

Respectfully submitted,



ADRIAN J. LEE
Attorney for Applicant
Registration No. 42,785
Customer No. 022913

INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)	Docket number (Optional) 15689.61	Application Number 09/701,705
	Applicant(s) Yukihiko OKUMURA et al.	
	Filing Date 12/1/2000	Group Art Unit 2661



U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

U.S. PATENT APPLICATION PUBLICATIONS							
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

FOREIGN PATENT DOCUMENTS								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	1	09-298489	11/18/1997	Japan	H04B1	707	X	
	2	WO98/47246	10/22/1998	PCT	H04B7	26	X	

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

